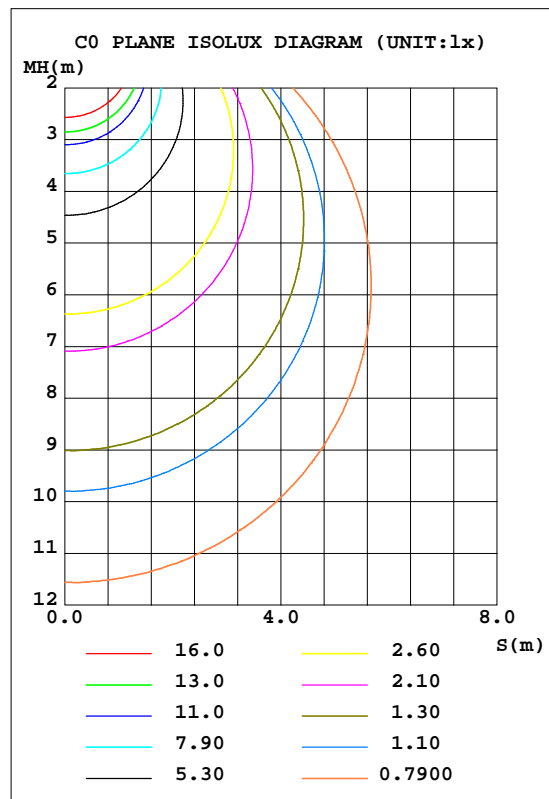
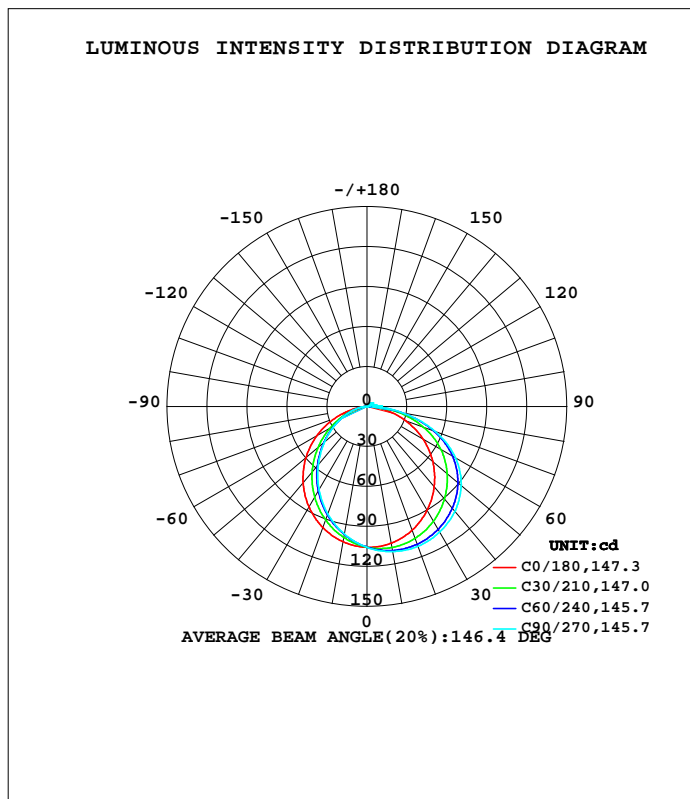


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm		
NAME: ASD-UCB-12D5CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:5W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.77 lm/W			
MOD#	ASD-UCB-12D5CC-WH-4000K	I _{max} (cd)	111.8	S/MH(C0/180)	1.23
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	318.77	h UP, DN(C0-180)	1.8,60.5
NOMINAL FLUX(lm)	318.769	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4,37.4
LAMPS INSIDE	1	h up(%)	2.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	97.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	104.2	108.9	110.6	108.0	103.0	98.61	97.34	99.63	0- 10	9.996	9.996	3.14,3.14
20	98.87	108.3	111.7	106.3	96.78	88.35	85.93	90.03	10- 20	28.63	38.63	12.1,12.1
30	90.18	103.9	109.0	101.0	87.12	75.32	72.10	77.71	20- 30	43.46	82.09	25.8,25.8
40	78.56	95.90	102.7	92.30	74.63	60.31	56.89	63.14	30- 40	52.62	134.7	42.3,42.3
50	64.56	84.98	92.29	80.61	59.82	44.39	41.72	47.34	40- 50	55.18	189.9	59.6,59.6
60	48.42	70.48	76.68	65.86	43.07	28.96	27.59	31.47	50- 60	50.91	240.8	75.5,75.5
70	30.50	50.93	54.20	46.51	25.21	15.45	15.45	17.20	60- 70	40.12	280.9	88.1,88.1
80	12.21	25.55	26.60	21.82	8.396	5.344	5.722	6.422	70- 80	24.01	304.9	95.7,95.7
90	0.4422	0.6538	6.117	0.6150	0.1237	0.1468	0.1668	0.3506	80- 90	6.977	311.9	97.8,97.8
100	0.3312	1.383	7.202	1.050	0.3104	0.3250	0.3740	0.3212	90-100	1.526	313.4	98.3,98.3
110	0.4228	2.117	1.779	2.346	0.3364	0.4798	0.5273	0.4870	100-110	1.142	314.6	98.7,98.7
120	0.5369	3.184	4.783	2.395	0.4009	0.4477	0.5434	0.5046	110-120	1.382	316.0	99.1,99.1
130	0.5349	1.983	4.247	1.406	0.3882	0.4512	0.5341	0.4400	120-130	1.325	317.3	99.5,99.5
140	0.4724	1.041	2.600	0.6224	0.3476	0.3803	0.3638	0.4074	130-140	0.7860	318.1	99.8,99.8
150	0.3944	0.3482	1.642	0.3710	0.2971	0.3327	0.4114	0.3582	140-150	0.4111	318.5	99.9,99.9
160	0.3328	0.4109	0.3863	0.4406	0.2727	0.2647	0.2782	0.2965	150-160	0.1649	318.6	100,100
170	0.2392	0.3869	0.5009	0.3797	0.2304	0.1960	0.2331	0.2341	160-170	0.0943	318.7	100,100
180	0.2351	0.2403	0.2356	0.2375	0.2351	0.2390	0.2353	0.2415	170-180	0.0264	318.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm										
NAME: ASD-UCB-12D5CC-WH-4000K					TYPE:0			WEIGHT:		
SPEC.:5W					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	8.2	9.7	8.5	10.0	10.2	9.9	11.4	10.2	11.7	11.9
3H	9.8	11.2	10.1	11.4	11.7	11.9	13.3	12.3	13.6	13.9
4H	10.3	11.7	10.7	12.0	12.3	12.8	14.1	13.2	14.4	14.7
6H	10.7	12.0	11.1	12.3	12.6	13.5	14.7	13.8	15.0	15.4
8H	10.8	12.0	11.2	12.4	12.7	13.7	14.9	14.1	15.3	15.6
12H	10.9	12.0	11.3	12.4	12.7	13.9	15.1	14.3	15.4	15.8
4H 2H	9.4	10.7	9.7	11.0	11.3	10.6	11.9	10.9	12.2	12.5
3H	11.1	12.3	11.5	12.6	13.0	12.8	14.0	13.2	14.3	14.6
4H	11.9	12.9	12.3	13.3	13.7	13.8	14.9	14.2	15.2	15.6
6H	12.4	13.3	12.8	13.7	14.1	14.6	15.6	15.1	16.0	16.4
8H	12.5	13.4	13.0	13.8	14.2	15.0	15.8	15.4	16.2	16.7
12H	12.6	13.4	13.1	13.8	14.3	15.2	16.0	15.7	16.4	16.9
8H 4H	12.5	13.4	12.9	13.8	14.2	14.1	15.0	14.6	15.4	15.8
6H	13.2	14.0	13.7	14.4	14.9	15.1	15.9	15.6	16.3	16.8
8H	13.5	14.2	14.0	14.6	15.1	15.6	16.2	16.1	16.7	17.2
12H	13.7	14.3	14.2	14.7	15.3	15.9	16.5	16.4	17.0	17.5
12H 4H	12.6	13.4	13.0	13.8	14.3	14.1	14.9	14.6	15.4	15.8
6H	13.4	14.1	13.9	14.5	15.0	15.2	15.8	15.7	16.3	16.8
8H	13.8	14.3	14.3	14.8	15.3	15.7	16.2	16.2	16.7	17.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.6					+ 0.2 / - 0.4				

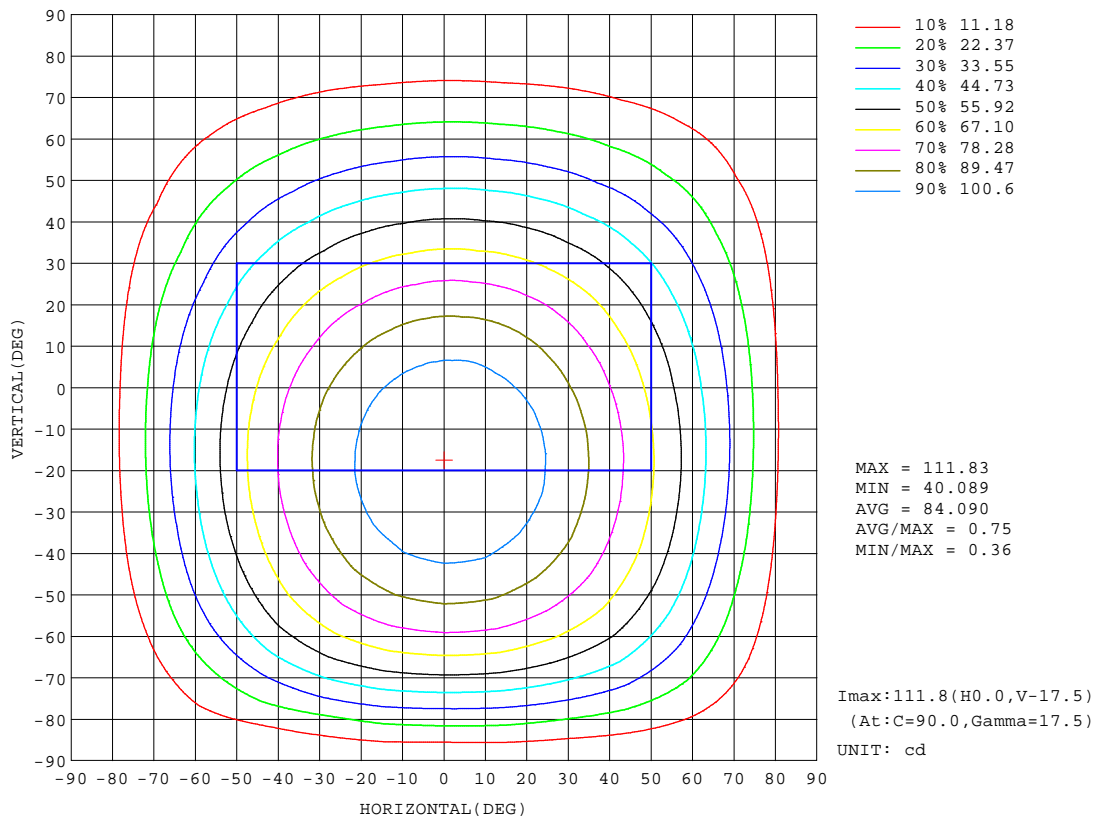
CIE Pub.117, 318.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.0)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm		
NAME: ASD-UCB-12D5CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:5W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



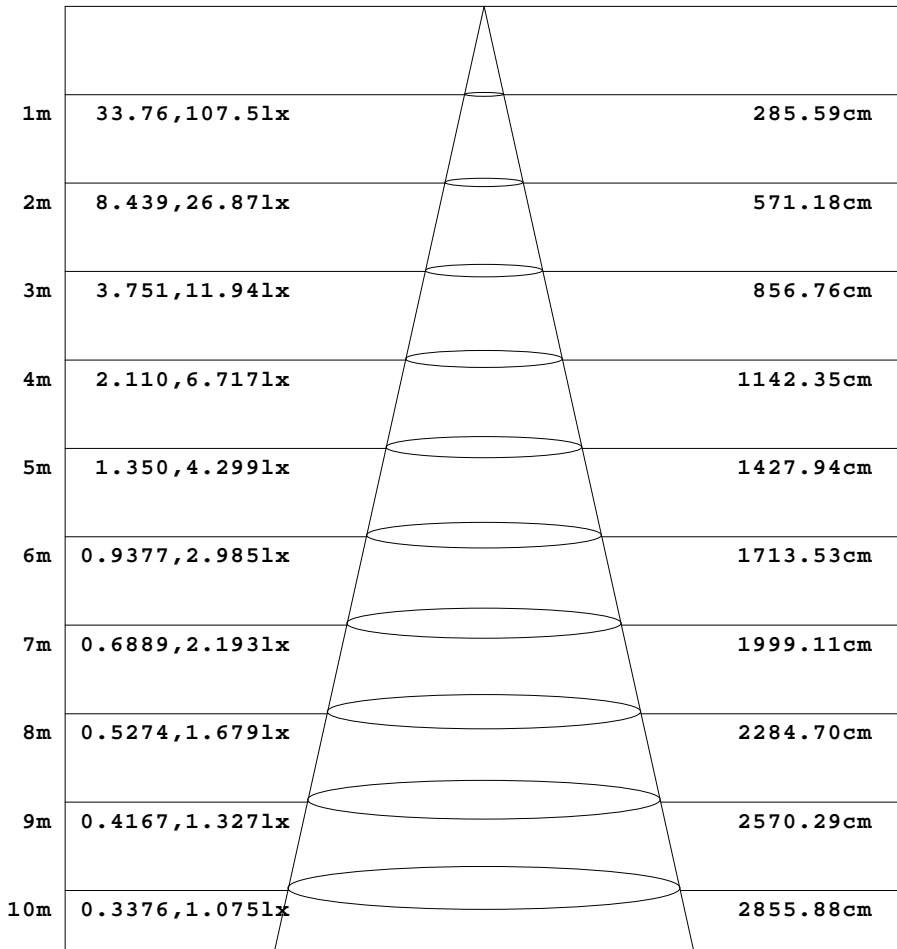
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm		
NAME: ASD-UCB-12D5CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:5W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:216.3 lm



Height Eavg, Emax Angle:109.99deg Diameter

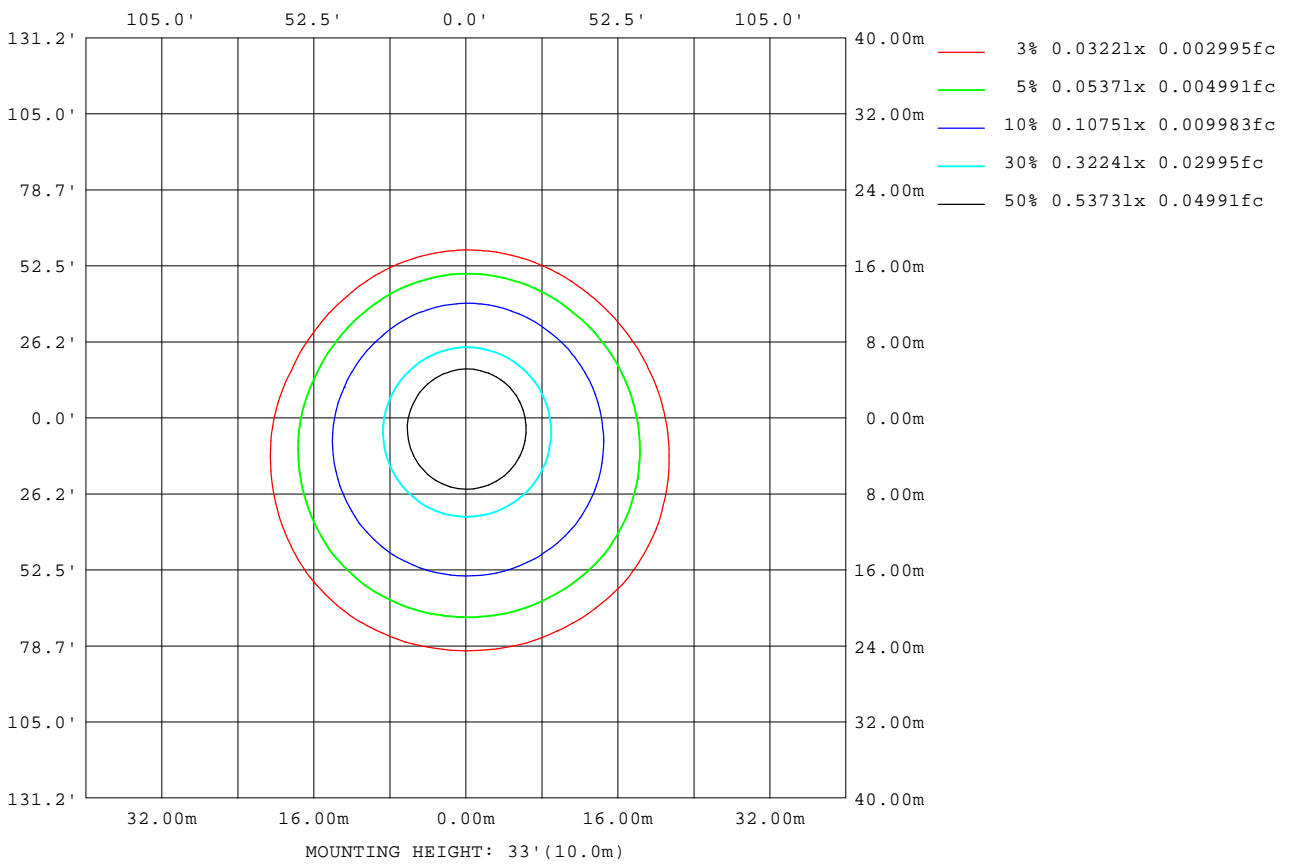
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm		
NAME: ASD-UCB-12D5CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:5W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm		
NAME: ASD-UCB-12D5CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:5W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

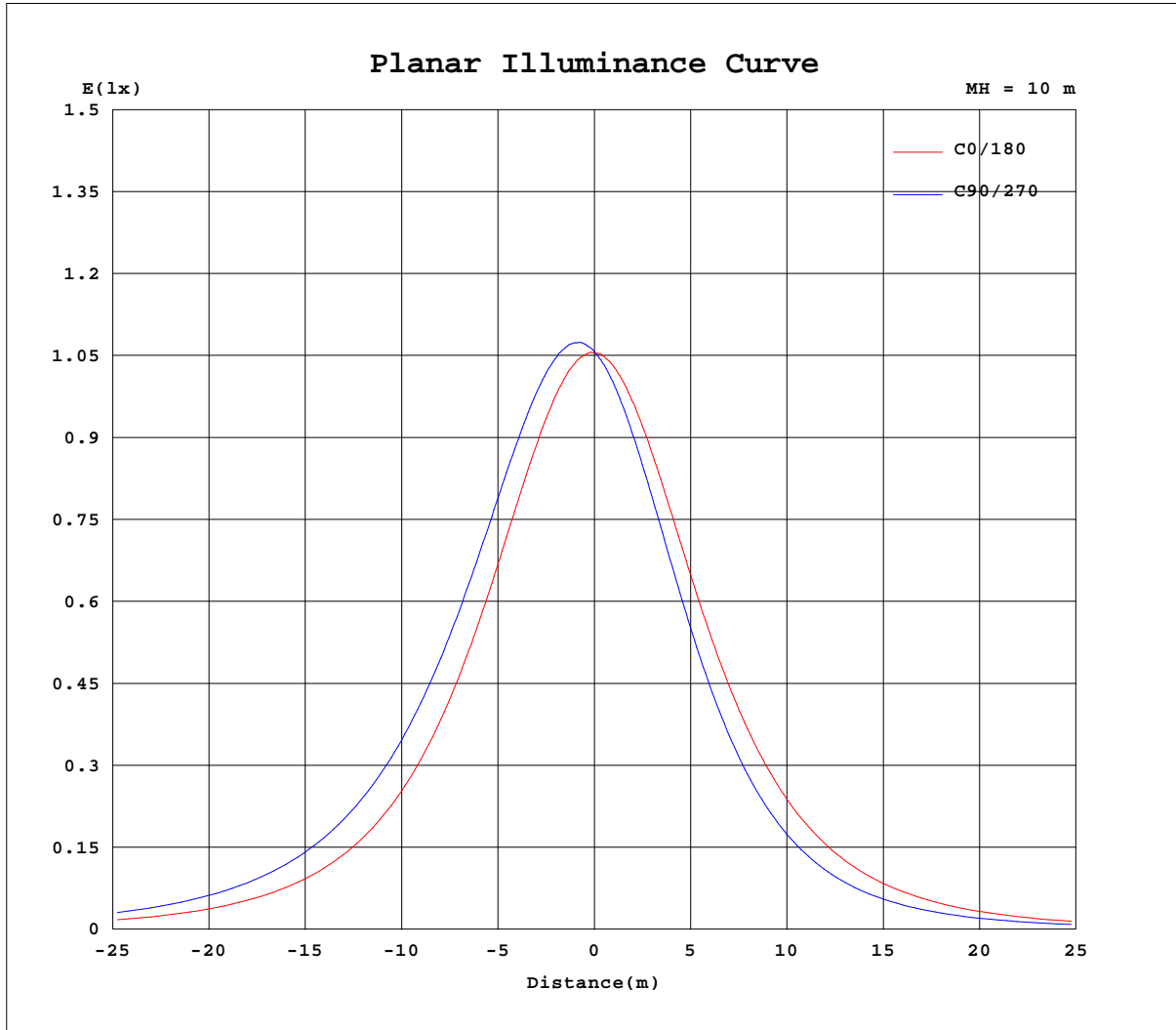
AvgL	cd/m2
L_0~180(65)av	175
L_0~180(75)av	146
L_0~180(85)av	74
L_90~270(65)av	207
L_90~270(75)av	197
L_90~270(85)av	177
L_45(65)av	194
L_45(75)av	182
L_45(85)av	148

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 21 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.0478A P:5.6148W PF:0.9788 Freq:59.98Hz Lamp Flux:318.769x1 lm		
NAME: ASD-UCB-12D5CC-WH-4000K	TYPE:0	WEIGHT:
SPEC.:5W	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
5	106	106	107	108	108	109	109	108	108	107	107	106	105	104	103	102	102	102	102
10	104	106	107	109	110	110	111	110	109	108	106	105	103	101	99.9	98.6	97.7	97.3	97.3
15	102	105	107	109	110	112	112	111	110	108	105	103	100	97.8	95.8	93.8	92.5	91.9	91.9
20	98.9	102	105	108	110	111	112	111	109	106	103	100	96.8	93.4	90.7	88.4	86.8	85.9	85.9
25	95.0	99.2	103	106	109	111	111	110	108	104	100	96.5	92.4	88.2	85.0	82.1	80.2	79.3	79.2
30	90.2	95.2	99.6	104	107	109	109	108	105	101	96.5	91.9	87.1	82.4	78.6	75.3	73.3	72.1	72.1
35	84.7	90.3	95.5	100	104	106	106	105	102	97.0	91.9	86.6	81.3	75.9	71.6	68.0	65.8	64.6	64.6
40	78.6	84.8	90.5	95.9	99.7	102	103	101	97.5	92.3	86.5	80.6	74.6	68.8	64.1	60.3	58.1	56.8	56.9
45	71.9	78.6	84.9	90.7	94.9	97.8	98.1	96.5	92.7	86.8	80.5	74.0	67.5	61.1	56.2	52.4	50.2	49.1	49.2
50	64.6	71.9	78.5	85.0	89.1	92.0	92.3	90.8	86.8	80.6	73.7	66.8	59.8	53.1	48.0	44.4	42.5	41.6	41.7
55	56.7	64.5	71.7	78.1	82.2	85.1	85.2	83.9	80.0	73.7	66.3	58.9	51.7	44.6	39.7	36.5	35.0	34.3	34.4
60	48.4	56.3	63.9	70.5	74.1	76.5	76.7	75.5	72.0	65.9	58.0	50.3	43.1	36.0	31.6	29.0	27.9	27.4	27.6
65	39.6	47.2	55.1	61.5	64.4	66.5	66.3	65.5	62.5	56.9	49.1	41.3	34.2	27.3	23.8	21.9	21.3	20.9	21.2
70	30.5	37.3	44.9	50.9	53.0	54.4	54.2	53.7	51.3	46.5	39.3	31.7	25.2	19.1	16.7	15.5	15.3	15.1	15.5
75	21.3	27.0	34.0	38.8	40.0	41.1	40.7	40.4	38.3	34.2	28.5	22.0	16.4	11.6	10.5	9.85	10.0	9.88	10.2
80	12.2	17.1	22.6	25.6	25.9	26.9	26.6	26.1	23.6	21.8	17.4	12.5	8.40	5.83	5.50	5.34	5.48	5.55	5.72
85	4.10	8.17	10.5	12.0	12.4	13.7	13.0	13.0	10.5	9.34	7.64	4.08	2.34	1.87	1.84	1.96	2.15	2.24	2.38
90	0.44	0.55	0.37	0.65	1.94	5.03	6.12	3.71	1.09	0.62	0.54	0.37	0.12	0.15	0.16	0.15	0.15	0.15	0.17
95	0.20	0.11	0.84	1.25	2.14	6.51	6.83	3.95	1.35	1.14	0.38	0.22	0.19	0.21	0.20	0.24	0.23	0.25	0.24
100	0.33	0.88	0.42	1.38	3.65	5.90	7.20	5.68	2.19	1.05	0.66	0.49	0.31	0.35	0.33	0.33	0.36	0.39	0.37
105	0.37	1.14	1.10	0.77	1.40	3.49	4.00	2.60	0.90	1.17	1.35	0.62	0.33	0.42	0.42	0.41	0.46	0.50	0.49
110	0.42	0.98	2.15	2.12	1.66	1.70	1.78	1.67	2.14	2.35	1.37	0.68	0.34	0.44	0.50	0.48	0.51	0.54	0.53
115	0.48	0.95	2.10	3.20	3.40	3.31	3.36	3.40	3.54	2.60	1.31	0.70	0.37	0.44	0.49	0.53	0.55	0.55	0.53
120	0.54	0.89	1.73	3.18	4.31	4.73	4.78	4.58	3.79	2.40	1.11	0.75	0.40	0.46	0.49	0.45	0.56	0.56	0.54
125	0.55	0.79	1.25	2.66	3.83	4.90	5.02	4.44	3.23	1.97	0.82	0.68	0.41	0.44	0.47	0.46	0.41	0.53	0.55
130	0.53	0.68	0.89	1.98	3.07	4.12	4.25	3.70	2.59	1.41	0.77	0.56	0.39	0.41	0.43	0.45	0.44	0.53	0.53
135	0.51	0.59	0.78	1.37	2.27	3.16	3.26	2.88	1.89	1.02	0.65	0.49	0.36	0.37	0.39	0.40	0.44	0.42	0.41
140	0.47	0.51	0.56	1.04	1.76	2.55	2.60	2.07	1.33	0.62	0.51	0.43	0.35	0.36	0.37	0.38	0.37	0.36	0.36
145	0.44	0.49	0.47	0.43	1.43	1.91	1.92	1.63	1.21	0.44	0.42	0.46	0.32	0.35	0.33	0.40	0.40	0.38	0.41
150	0.39	0.45	0.41	0.35	0.34	1.44	1.64	0.37	0.32	0.37	0.37	0.44	0.30	0.32	0.30	0.33	0.37	0.39	0.41
155	0.36	0.42	0.41	0.44	0.31	0.31	0.30	0.31	0.30	0.46	0.50	0.42	0.29	0.27	0.27	0.29	0.32	0.33	0.35
160	0.33	0.44	0.48	0.41	0.42	0.38	0.39	0.43	0.44	0.44	0.39	0.34	0.27	0.26	0.27	0.26	0.26	0.27	0.28
165	0.26	0.36	0.40	0.47	0.48	0.40	0.40	0.39	0.51	0.43	0.36	0.25	0.25	0.24	0.25	0.24	0.24	0.23	0.24
170	0.24	0.31	0.37	0.39	0.49	0.51	0.50	0.48	0.43	0.38	0.34	0.24	0.23	0.22	0.20	0.20	0.22	0.23	0.23
175	0.24	0.26	0.27	0.31	0.32	0.40	0.40	0.39	0.36	0.28	0.24	0.23	0.22	0.20	0.19	0.20	0.21	0.21	0.21
180	0.24	0.23	0.23	0.24	0.23	0.24	0.24	0.23	0.23	0.24	0.24	0.25	0.24	0.23	0.24	0.24	0.23	0.24	0.24

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:21 April 2021

g Range: 0 - 180DEG

g Interval: 0.5DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:3.010m [K=1.0000]

Remarks:

